

Reactive oxygen-detecting and/or -absorbing compound, method for preparing a compound of this type and a device comprising this compound.

- 5 The present invention relates to a reactive compound which is capable of having two complementary functions, that is to say, on the one hand, detecting the presence of oxygen by means of a clear colour change which can be seen both with the naked eye and with a spectrophotometer and, on the other hand,
10 chemically and irreversibly absorbing the oxygen contained in a closed chamber.

Systems for indicating oxygen have been extensively described in documentation; they generally use a colorant which changes
15 shade in accordance with its level of oxidation associated with a reducing agent in order to maintain the reduced form of the colorant when no oxygen is present (documents DE-30 25 264, JP-62 183 834, WO-93/24820, WO-98/03866...).

- 20 The oxygen-indicating reagent may be in the form of ink (documents DE-30 25 264, JP-62 183 834), incorporated in a thermoplastic material (document WO-2003/00557), interposed between materials which are permeable to oxygen (document WO-93/24820) or incorporated in an amorphous medium (document
25 FR-2 710 751).

Specialists have at the same time already proposed a wide range of oxygen-absorbing devices which are used within a number of technical fields, including, for example, food-
30 processing industries, in particular for producing packagings which allow food products to be stored in an inert atmosphere, pharmaceutical industries, for the storage of preparations for medical use, or more generally in all fields which